

IN THE CLAIMS

Please amend the claims as follows:

Claims 1-141 (canceled)

142. (previously presented) A method of removing dental plaque comprising:
contacting the dental plaque with a dental plaque removing effective amount of a hydrolase mixture comprising enzymes from krill.

143. (new) The method of claim 142, wherein the hydrolase mixture has endo- and exo-peptidase activities.

144. (new) The method of claim 142, wherein the hydrolase mixture has at least two of a chymotrypsin, trypsin, collagenase, elastase or exo-peptidase activities.

145. (new) The method of claim 142, wherein the hydrolase mixture comprises enzymes having molecular weights between about 24 kd and about 34 kd as determined by SDS PAGE.

146. (new) The method of claim 144, wherein the hydrolase mixture has at least three of said proteolytic activities.

147. (new) The method of claim 144, wherein the hydrolase mixture has all of said proteolytic activities.

148. (new) The method of claim 142, wherein the hydrolase mixture is isolated from krill of the genus Euphausia, Meganyctiphanes or Tysanoessa.

149. (new) The method of claim 142, wherein the hydrolase mixture has a purity of at least about 95% with respect to macromolecules.

150. (new) A method of removing dental plaque comprising:
applying an effective amount of an enzyme having multifunctional activity,
wherein the enzyme is isolated from krill and has a molecular weight
between about 20 kd and about 40 kd as determined by SDS PAGE.
151. (new) The method of claim 150, wherein the multifunctional enzyme has a purity of
at least about 95% with respect to macromolecules.
152. (new) The method of claim 151, wherein the multifunctional enzyme has at least
one of a chymotrypsin, trypsin, collagenase, elastase or exo-peptidase activity.
153. (new) The method of claim 152, wherein the multifunctional enzyme has at least
two of said proteolytic activities.
154. (new) The method of claim 152, wherein the multifunctional enzyme has at least
three of said proteolytic activities.
155. (new) The method of claim 152, wherein the multifunctional enzyme has at least
four of said proteolytic activities.
156. (new) The method of claim 152, wherein the multifunctional enzyme has all of said
proteolytic activities.
- 157 (new) The method of claim 152, wherein the multifunctional enzyme has an N-
terminal sequence comprising I V G G M / N E V T P H A Y P W Q V G L F I D D M Y
F (SEQ ID NO: 17).
158. (new) The method of claim 152, wherein the multifunctional enzyme has a
molecular weight between about 26 kd and about 32 kd as determined by SDS PAGE.

159. (new) A method of removing dental plaque in an animal subject comprising:
contacting the dental plaque with a dental plaque removing effective amount of a
poly-enzyme mixture comprising enzymes from krill.

160. (new) The method of claim 159, wherein the poly-enzyme mixture has endo- and
exo-peptidase activities.

161. (new) The method of claim 159, wherein the poly-enzyme mixture comprises
enzymes having molecular weights between about 24 kd and about 34 kd as determined
by SDS PAGE.